

Bill Thigpen
Deputy Manager for

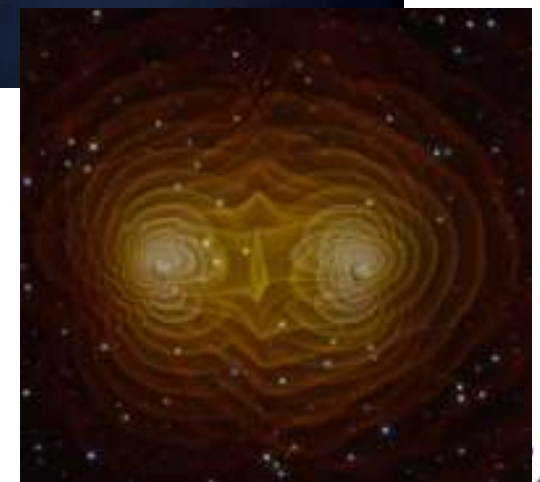
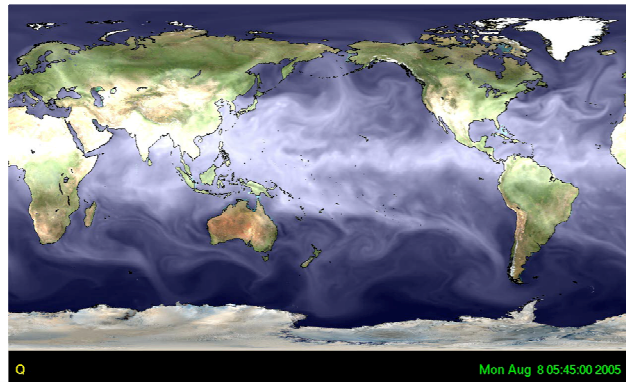
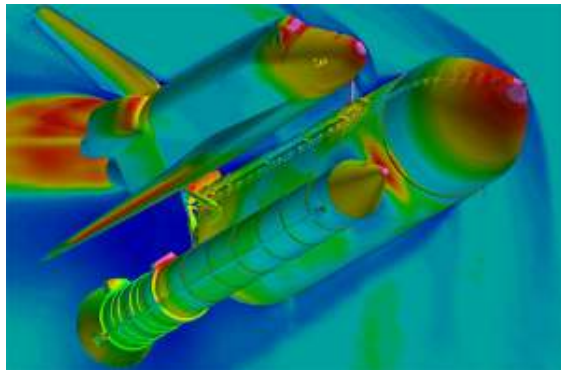


**NASA's High-End Computing
Capability Program**



HEC Partnership Opportunities with NASA

- ◆ **High-fidelity M&S is essential as NASA pursues some of greatest science and engineering challenges**

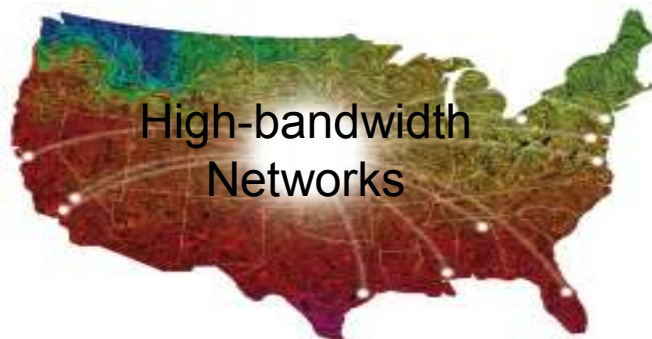


HEC Partnership Opportunities with NASA

◆ High-fidelity M&S enabled by advanced HEC tech



Pleiades: 51,200-core SGI supercomputer



hyperwall-2: 250 M-pixel data exploration environment



HEC Partnership Opportunities with NASA

- ◆ **Advanced HEC enabled by partnering with HEC community to enhance NASA HEC environment**
 - Industry on hardware and software innovations, new technology development, and major procurements
 - Other agencies to support architecture and technology advancements, access to complementary systems, platforms, and environments
 - Academia in novel collaborative research
 - Small businesses through the SBIR program

